

PTO/SB/08A&B (08-03)

Substitute for form 1449A&B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/615,416		
		Filing Date	July 7, 2003		
		First Named Inventor	Wishart, David Scott		
		Art Unit	1631		
		Examiner Name	Mahatan, Channing WHALEY		
Sheet	1	of	0	Attorney Docket Number	080586-000100US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
/PW/	1	GB	2410559	B	09-28-2005	Wong		<input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	/Pablo Whaley/ (03/08/2007)	Date Considered	
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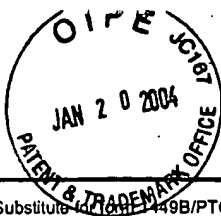
SubDate for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/615,418		
		Filing Date	July 7, 2003		
		First Named Inventor	Wishart, David Scott		
		Art Unit	1831		
		Examiner Name	MAHATAN, CHANNING W/ALC		
Sheet	1	of	1	Attorney Docket Number	080586-000100US

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		Number	Kind Code* (if known)			
/PW/	AA	US-5,707,876		01/1998	Tamura et al.	
/PW/	AB	US-6,696,838		02-2004	Rafferty et al.	
/PW/	AC	US-6,617,167		06-2003	Oltos et al.	
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	AQ	US-				
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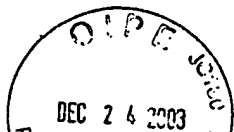
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				Application Number	10/615,416
				Filing Date	July 7, 2003
				First Named Inventor	David Scott Wishart
				Art Unit	1641 1631
				Examiner Name	Unassigned
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/PW/	1	ILES "Clinical biofluids," <u>Encyclopedia of Analytical Science</u> ; Nuclear Magnet Spectroscopy - Applications: 3532-3544 (1995).		
/PW/	2	LINDON et al. "Biofluids Studied by NMR," In Encyclopedia of Spectroscopy and Spectrometry. Academic Press, pp. 98-116 (2000).		
/PW/	3	NICHOLSON et al. "1H NMR spectroscopy of biological fluids and the investigation of perturbed metabolic processes," <u>Magnetic Resonance in Food Science</u> , Belton, PS et al. (eds), Royal Society of Chemistry (pubs); 40/7:12451250 (1994).		
/PW/	4	WEVERS et al. "High-resolution 1H-NMR spectroscopy of blood plasma for metabolic studies," Clinical Chemistry 40/7:1245-1250 (1994).		

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PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

Application Number	10/615,416
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Examiner Name	Unassigned
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/PW/	1	2003/0023386	01-30-2003	Aranibar et al.	
	2	2002/0145425	10-10-2002	Ebbels et al.	
	3	6,063,026	05-16-2000	Schauss et al.	
	4	6,035,248	03-07-2000	Wagner	
	5	5,926,773	07-20-1999	Wagner	
	6	5,887,588	03-30-1999	Usenius et al.	
	7	5,878,746	03-09-1999	Lemelson	
	8	5,822,219	10-13-1998	Chen et al.	
	9	5,726,570	03-10-1998	Spraul et al.	
	10	5,710,713	01-20-1998	Wright et al.	
	11	5,685,300	11-11-1997	Kuenstner	
	12	5,668,373	09-16-1997	Robbat Jr., et al.	
	13	5,629,210	05-13-1997	Hercules et al.	
	14	5,618,734	04-08-1997	Niwa et al.	
	15	5,617,861	04-08-1997	Ross et al.	
	16	5,559,038	09-24-1996	Kolhouse et al.	
	17	5,517,856	05-21-1996	Hofmann et al.	
	18	5,470,750	11-28-1995	Bar-or	
	19	5,446,881	08-29-1995	Gethner	
	20	5,397,987	03-14-1995	Garritano	
	21	5,397,989	03-14-1995	Spraul et al.	
	22	5,338,687	08-16-1994	Lee	
	23	5,318,031	08-07-1994	Mountford et al.	
	24	5,313,406	05-17-1994	Kauppinen et al.	
	25	5,308,982	05-03-1994	Ivaldi et al.	
	26	5,283,036	02-01-1994	Hofmann et al.	
	27	5,261,405	11-16-1993	Fossel	
	28	5,258,712	11-02-1993	Hofmann et al.	
	29	5,247,175	09-21-1993	Schoen et al.	
	30	5,231,031	07-27-1993	Szwegold et al.	
	31	5,229,716	07-20-1993	Demoment et al.	
	32	5,220,302	06-15-1993	Nunnally et al.	
	33	5,218,529	06-08-1993	Meyer et al.	
	34	5,213,101	05-25-1993	Fossel	
	35	5,207,715	05-04-1993	Fossel	
	36	5,198,766	03-30-1993	Spraul et al.	
	37	5,146,166	09-08-1992	Bartuska	
	38	5,124,267	06-23-1992	Humpel et al.	
	39	5,072,732	12-17-1991	Rapoport et al.	
	40	5,055,389	10-08-1991	Bar-Or et al.	
	41	5,046,846	09-10-1991	Ray et al.	

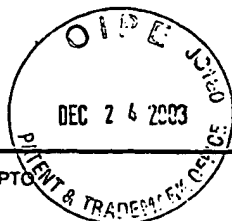
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Signature

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/615,416
		Filing Date	July 7, 2003
		First Named Inventor	David Scott Wishart
		Art Unit	1641 1631
		Examiner Name	Unassigned <i>Wishart</i>
Sheet 2	of 5	Attorney Docket Number	080586-000100US

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		Number Kind Code ² (if known)			
/PW/ ↓	42	5,041,789	08-20-1991	Keller et al.	
	43	5,015,954	05-14-1991	Dachene et al.	
	44	4,988,628	01-29-1991	Nanji	
	45	4,975,581	12-04-1990	Robinson et al.	
	46	4,940,055	07-10-1990	Brown	
	47	4,918,021	04-17-1990	Fossel	
	48	4,912,050	03-27-1990	Fossel	
	49	4,851,780	07-25-1989	Dejon et al.	
	50	4,728,889	03-01-1988	Gadian et al.	
	51	4,390,633	06-28-1983	Merlan et al.	
	52	4,081,742	03-28-1978	Hofer et al.	
	53	3,789,832	02-05-1974	Damadian	

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/PW/ ↓	54	EP	0350546	01-17-1990	Advanced Techtronics	<input type="checkbox"/>
	55	WO	00/85368	11-02-2000	Lipomed, Inc.	<input type="checkbox"/>
	56	WO	00/51054	08-31-2000	Lipomed, Inc.	<input type="checkbox"/>
	57	WO	99/54751	10-28-1999	Sorland	<input type="checkbox"/>
	58	WO	98/39664	09-11-1998	Universidad Nacional et al.	<input type="checkbox"/>
	59	WO	97/47973	12-18-1997	The McLean Hospital Corp.	<input type="checkbox"/>
	60	WO	96/38083	12-05-1996	The John Hopkins University	<input type="checkbox"/>
	61	WO	94/20883	09-15-1994	Birkbeck College	<input type="checkbox"/>
	62	WO	93/03450	02-18-1993	North Carolina State Univ.	<input type="checkbox"/>
	63	WO	92/11807	07-23-1992	The Beth Israel Hospital	<input type="checkbox"/>
	64	WO	91/18852	11-14-1991	Chiscan AB	<input type="checkbox"/>
	65	WO	91/10128	07-11-1991	The Beth Israel Hospital	<input type="checkbox"/>

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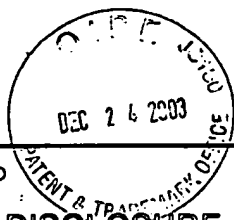
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/PW/	66	"NMR Lipoprotein Subclass Analysis: NMR LipoProfile Research Service", LipoMed, Inc., 3009 New Bern Avenue, Raleigh, NC, 27610, http://www.lipoprofile.com/lipomed/Products_Technology/R&D/R&D.htm [printed March 14, 2001]	
	67	"Frequently Asked Questions", LipoMed, Inc., 3009 New Bern Avenue, Raleigh, NC, 27610, http://www.lipoprofile.com/lipomed/FAQS/faq.html [printed March 14, 2001]	
	68	"Understanding the NMR LipoProfile", LipoMed, Inc., 3009 New Bern Avenue, Raleigh, NC, 27610 (2001).	
	69	"Varian Nuclear Magnetic Resonance Systems - Bayesian Software", Varian, Inc., 3120 Hansen Way, Palo Alto, CA 94304-1030, USA, http://www.varianinc.com/nmr/products/software/bayesianonepr.html [printed March 19, 2001]	
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	76	"Who we are", http://www.acdlabs.com/company.html [printed March 19, 2001], Advanced Chemistry Development Inc., 90 Adelaide Street West, Suite 702, Toronto, Ontario, M5H 3V9, Canada.	
	77	"ACD/Labs - Spectral Laboratory", http://www.acdlabs.com/products/spec_lab [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
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	79	"ACD/Combi NMR: Overview - Combinatorial NMR Data Processing and Analysis Software", http://www.acdlabs.com/products/spec_lab/complex_tasks/combinmr [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
	80	"Combi NMR Interface", http://www.acdlabs.com/products/spec_lab/complex_tasks/combinmr/intr.html [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
✓	81	"NMR Spectroscopy", http://www.acdlabs.com/products/spec_lab/nmr.html [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	

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/PW/	82	"ACD/CNMR: Overview", http://www.acdlabs.com/products/spec_lab/predict_nmr/cnmr [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
	83	"ACD/HNMR: Overview", http://www.acdlabs.com/products/spec_lab/predict_nmr/hnmr [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
	84	"Software Reviews: ACD/NMR Processor", http://www.acdlabs.com/publish/acd_nmr_proc.html [printed March 19, 2001], Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
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	86	"ACD/2D NMR Predictor: Overview", http://www.acdlabs.com/products/spec_lab/predict_nmr/2d_nmr [printed March 19, 2001], Advanced Chemistry Development Inc., 90 Adelaide Street West, Suite 702, Toronto, Ontario, M5H 3V9, Canada.	
	87	"ACD/NMR Manager, Version 5.0 for Windows, Application Note", 2001, Advanced Chemistry Development Inc., Toronto, Ontario, Canada.	
	88	BAMFORTH et al "Diagnosis of inborn errors of metabolism using 1H NMR spectroscopic analysis of urine," J. Inher. Metab. Dis., SSIEM and Kluwer Academic Publishers, printed in the Netherlands, 22:297-301 (1999).	
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	93	FREEDMAN et al. "Relation of Lipoprotein Subclasses as Measured by Proton Nuclear Magnetic Resonance Spectroscopy [...]" Reprint from <i>Arteriosclerosis, Thrombosis and Vascular Biology</i> 18:1046-1053 (1998).	
	94	GOLOTVIN et al. "Improved Baseline Correction of FT NMR Spectra", NMR Newsletter, October 1999, < http://www.acdlabs.com/publish/nmr_ar.html > (visited October 30, 2001), Canada, pp. 1-3, Advanced Chemistry Development Inc., Canada.	
	95	HOLMES et al "Proton NMR analysis of plasma from renal failure patients: evaluation of sample preparation and spectral-editing methods," <i>Journal of Pharmaceutical & Biomedical Analysis</i> 8:955-958 (1990).	
	96	HOLMES et al. "Automatic Data Reduction and Pattern Recognition Methods for Analysis of 1H Nuclear Magnetic Resonance Spectra of Human Urine..." <i>Analytical Biochemistry</i> 220:284-298 (1994).	
↓	97	HORNAK "The Basics of NMR," available at < http://www.cis.rut.edu/htbooks/nmr > (1997, 2002).	

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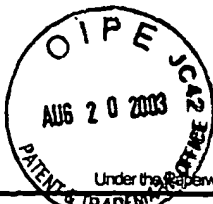
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/PW/	98	LINDON et al. "Biofluids Studied by NMR," In <u>Encyclopedia of Spectroscopy and Spectrometry</u> , Academic Press, pp. 98-118 (2002).		
	99	LINDON et al. "Multicentre Assessment of Small Molecule Quantitation in Human Blood Plasma Using 1H NMR Spectroscopy," <u>Journal of Magnetic Resonance Analysis</u> , England, pp. 66-74(1996).		
	100	LINDON et al. "NMR Spectroscopy of Biofluids," <u>Annual Reports on NMR Spectroscopy</u> , Academic Press, ISBN 012505338X, 38:1-88 (1999).		
	101	NICHOLSON et al. "750 MHz 1H and 1H-13C NMR Spectroscopy of Human Blood Plasma," <u>Analytical Chemistry</u> , 67:793-811 (1995).		
	102	NICHOLSON et al. "Metabonomics: understanding the metabolic responses of living systems [...] via multivariate statistical analysis of biological NMR spectroscopic data," <u>Xenobiotica</u> , UK, 29:1181-1189 (1999).		
	103	"Nuclear Magnetic Resonance with a 300 MHz Fourier Transform Spectrometer," <u>Modern Physics Laboratory Manual</u> , Middlebury College, Dept. of Physics, USA, < http://www.middlebury.edu/~PHManual/nuclearmag.html > (1992, 1993, 2001).		
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	105	ROBERTSON et al. "Metabonomics: Evaluation of Nuclear Magnetic Resonance (NMR) and Pattern Recognition Technology for [...] Toxicants," <u>Toxicological Sciences</u> 57:326-337 (2000).		
	106	SMITH et al. "Nuclear Magnetic Resonance Spectroscopy," <u>Analytical Chemistry</u> , Vol. 34:509R-518R (1995).		
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↓	110	WISHART et al. "Magnetic Resonance Diagnostics: A New Technology for High-Throughput Clinical Diagnostics," <u>Clin Chem</u> 47:1918-1921 (2001).		

Examiner Signature	/Pablo Whaley/ (03/08/2007)	Date Considered	
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Substitute for form 1449/PTO		Complete if Known			
		Application Number	10/615,416		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	July 7, 2003		
		First Named Inventor	David Scott Wishart		
		Art Unit	Unassigned (63)		
		Examiner Name	Unassigned WHALEY		
Page	1	of	1	Attorney Docket Number	080586-000100US

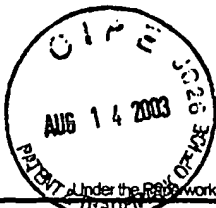
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/PW/	1	PAN "Correlation Of Lactate and Ph In Human Skeletal Muscle After Exercise By 1H NMR" Magnetic Resonance In Medicine 20:57-65 (1991).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/615,416		
		Filing Date	July 7, 2003		
		First Named Inventor	David Scott Wishart		
		Art Unit	Unassigned 1631		
		Examiner Name	Unassigned WHALEY		
Page	1	of	2	Attorney Docket Number	080586-000100US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/PW/	1	US-5,343,389	08-30-1994	Otvos	
/PW/	2	US-4,833,844	06-12-1990	Otvos	

FOREIGN PATENT DOCUMENTS							
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Page 2 of 2

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Application Number	10/615,416
Filing Date	July 7, 2003
First Named Inventor	David Scott Wishart
Art Unit	Unassigned (631)
Examiner Name	Unassigned Whaley
Attorney Docket Number	080586-000100US

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/PW/	3	EL-DEREDY "Pattern Recognition Approaches in Biomedical and Clinical Magnetic Resonance Spectroscopy: A Review," NMR In Biomedicine 10: 99-124 n(1997).	
/PW/	4	KURHANEWICZ "Citrates Alterations in Primary and Metastatic Human Prostatic Adenocarcinomas: ¹ H Magnetic Resonance Spectroscopy and Biochemical Study," Magnetic Resonance In Medicine 29: 149-157 (1993).	
/PW/	5	LEVY et al. "Data Processing" Encyclopedia Of Nuclear Magnetic Resonance, D.M. Grant et al. (eds.), John Wiley & Sons, vol. 3, pages 1548-1558 (1996).	
/PW/	6	SPRAUL et al.: "Automatic Reduction of NMR Spectroscopic Data for Statistical and Pattern Recognition Classification of Samples," Journal Of Pharmaceutical And Biomedical Analysis 12: 1215-1225 (1994).	

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